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Informal

Xcel Energy Data Request No. 2
Case No.: PU-23-315
Response To: North Dakota Public Service Commission
Requestor: Adam Renfandt
Date Received: September 28, 2023

Question:

Please provide:

By project, a table showing the all-in project cost filing-to-filing delta

- a. Sort these by MTEP project type, breaking out the Other Bucket
- b. If a project did not go through MTEP have a separate category
- c. Also provide a pie chart with the categories
- d. Include the MTEP IDs

Response:

Please see PU-23-315 Informal NDPSC-2 Attachment A, provided in live Excel spreadsheet format, for a comparison of the current rider filing to the previous filing. The “All-In Filing to Filing” tab includes the project types and MTEP IDs. Attachment 3 in the original filing provided the total project cost and a comparison to the previous filing. The “CWIP Exp & Pie Chart” tab provides the total project costs from the filing and includes a pie chart.

- The TCR rider projects are sorted based on the following MTEP project types: Generator Interconnect Procedures (GIP) and Market Efficiency Projects (MEP) are included in the Attachment GG MISO Filing. Helena to Scott County MISO Interconnection and Huntley – Wilmarth are the only GG projects included in the TCR rider revenue requirement. All other NSPM projects that are part of the GG filing are part of base rates.
- Multi-Value Projects (MVP) are filed in the Attachment MM MISO filing. All of NSPM’s MVP projects are now part of base rates, and the revenue requirement is no longer included in the TCR filing.

- All non GIP, MEP, MVP NSPM transmission projects are included in Attachment O, and these are labeled as “Other” in Attachment A to this response. These projects are eligible for the OATT credit once they are in-service, and this credit was applied in the original TCR revenue requirement calculations.

Preparer: Chris Franks
Title: Principal Rate Analyst
Department: Revenue Requirements
Telephone: (612) 337-2007
Date: October 11, 2023

Northern States Power Company
 State of North Dakota

Current Filing
Annual Filing View Tracker Summary

RECB - ATT GG Margin

Current Year
Annual Filing, net of applicbl
Margin

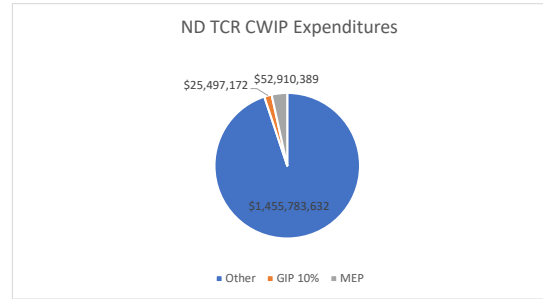
Amounts in dollars

| Line No: | Project | MTEP ID | MTEP Type* | Project/Program | Current Filing | | | RECB - ATT GG Margin | | | Current Year | |
|----------|--|---------|------------|-----------------|------------------|------------------|------------------|----------------------|------------------|------------------|------------------|------------------|
| | | | | | Actual 2022 | Mixed 2023 | Forecast 2024 | Actual 2022 | Mixed 2023 | Forecast 2024 | Actual 2022 | Mixed 2023 |
| 1 | Aldrich DCP | N/A | Other | Project | - | 7 | 160 | | | | - | 7 |
| 2 | Avon – Albany Rebuild | N/A | Other | Project | 36,859 | 38,594 | 38,546 | | | | 36,859 | 38,594 |
| 3 | Bayfield Loop | N/A | Other | Project | 17,717 | 275,670 | 272,954 | | | | 17,717 | 275,670 |
| 4 | Black Dog - Wilson | N/A | Other | Project | 16,627 | 17,281 | 17,152 | | | | 16,627 | 17,281 |
| 5 | Comm Network Program | N/A | Other | Program | 56,898 | 156,206 | 310,393 | | | | 56,898 | 156,206 |
| 6 | Congestion Capacity Increases | N/A | Other | Project | - | - | 10,914 | | | | - | - |
| 7 | DCP Daytons Bluff Sub | N/A | Other | Project | 83 | 248 | 556 | | | | 83 | 248 |
| 8 | DCP Great Plains | N/A | Other | Project | 2,318 | 10,542 | 14,454 | | | | 2,318 | 10,542 |
| 9 | Elm Creek New Transformer 10 Install | N/A | Other | Project | 4,977 | 54,696 | 70,162 | | | | 4,977 | 54,696 |
| 10 | Elm Creek TR9 Reactor | N/A | Other | Project | 373 | 3,564 | 6,683 | | | | 373 | 3,564 |
| 11 | ELR - Breakers - NSPM | N/A | Other | Program | 39,724 | 83,937 | 133,406 | | | | 39,724 | 83,937 |
| 12 | ELR - Relay - NSPM | N/A | Other | Program | 34,229 | 81,069 | 141,579 | | | | 34,229 | 81,069 |
| 13 | ELR - Transformers - NSPM | N/A | Other | Program | 15,718 | 40,559 | 100,460 | | | | 15,718 | 40,559 |
| 14 | ELR Nuclear NSPM | N/A | Other | Program | 11,691 | 22,989 | 34,492 | | | | 11,691 | 22,989 |
| 15 | Helena to Scott County MISO Interconnections** | 18345 | GIP 10% | Project | 115,961 | 121,312 | 120,423 | (14,460) | (18,661) | (32,642) | 101,501 | 102,651 |
| 16 | HIBTAC 500kV | N/A | Other | Project | 95,428 | 102,279 | 101,565 | | | | 95,428 | 102,279 |
| 17 | Hollydale Dist. 115kV | N/A | Other | Project | 11,592 | 12,101 | 12,029 | | | | 11,592 | 12,101 |
| 18 | Huntley-South Bend 161kV | N/A | Other | Project | - | 804 | 21,951 | | | | - | 804 |
| 19 | Huntley - Wilmarth | 11883 | MEP | Project | 325,437 | 323,620 | 318,280 | (271,426) | (291,290) | (228,894) | 54,011 | 32,330 |
| 20 | Lincoln County Capacitor Bank | N/A | Other | Project | 12,359 | 24,305 | 27,194 | | | | 12,359 | 24,305 |
| 21 | Line 0953 OPGW Replacement | N/A | Other | Project | 6,439 | 12,525 | 11,629 | | | | 6,439 | 12,525 |
| 22 | Line ELR - NSPM | N/A | Other | Project | 43,816 | 63,646 | 83,284 | | | | 43,816 | 63,646 |
| 23 | Long Lake-Baytown Line Uprate | N/A | Other | Project | 2,174 | 18,536 | 24,567 | | | | 2,174 | 18,536 |
| 24 | Mallard Substation Expansion | N/A | Other | Project | - | 10,882 | 24,208 | | | | - | 10,882 |
| 25 | NERC Order 754 NSPM | N/A | Other | Program | 2,946 | 14,228 | 31,215 | | | | 2,946 | 14,228 |
| 26 | Nighthawk Substation | N/A | Other | Project | - | 6,646 | 24,376 | | | | - | 6,646 |
| 27 | NSM0953 Galloping Mitigate SPK | N/A | Other | Project | 25,805 | 27,453 | 27,237 | | | | 25,805 | 27,453 |
| 28 | NSP Reloc B | N/A | Other | Project | 18,740 | 30,405 | 32,376 | | | | 18,740 | 30,405 |
| 29 | NSPM Major Line Rebuild | N/A | Other | Program | 163,622 | 459,823 | 797,462 | | | | 163,622 | 459,823 |
| 30 | NSPM Major Line Refurbishment | N/A | Other | Program | 58,074 | 179,146 | 321,539 | | | | 58,074 | 179,146 |
| 31 | NSPM Steel Pole ELR | N/A | Other | Program | 5,031 | 111,169 | 155,070 | | | | 5,031 | 111,169 |
| 32 | Prairie Substation Capbank Remove | N/A | Other | Project | 10,690 | 11,336 | 11,274 | | | | 10,690 | 11,336 |
| 33 | Raptor Distribution Substation | N/A | Other | Project | 10,704 | 11,103 | 11,026 | | | | 10,704 | 11,103 |
| 34 | Rogers Lake 115 kV | N/A | Other | Project | - | - | 46,270 | | | | - | - |
| 35 | S&E - NSP Line | N/A | Other | Program | 102,867 | 117,511 | 151,189 | | | | 102,867 | 117,511 |
| 36 | S&E - NSP Sub | N/A | Other | Program | 89,740 | 118,258 | 148,918 | | | | 89,740 | 118,258 |
| 37 | So. Washington Electric Reliability SWERU | N/A | Other | Project | 2,033 | 16,034 | 41,074 | | | | 2,033 | 16,034 |
| 38 | TACT | N/A | Other | Program | 47,093 | 58,539 | 65,348 | | | | 47,093 | 58,539 |
| 39 | Wilmarth-TC Thru Flow Mitigation | N/A | Other | Project | 520 | 1,815 | 22,126 | | | | 520 | 1,815 |
| 40 | Projects | | | | 1,388,283 | 2,638,837 | 3,783,541 | (285,887) | (309,951) | (261,536) | 1,102,397 | 2,328,887 |
| | MISO RECB Sch.26/26a | | | | (418,134) | (590,266) | (1,011,685) | 285,887 | 309,951 | 261,536 | (132,248) | (280,315) |
| | TCR True-up Carryover | | | | 634,227 | 198,740 | 372,096 | | | | 634,227 | 198,740 |
| | Revenue Requirement (RR) | | | | 1,604,376 | 2,247,312 | 3,143,952 | - | - | - | 1,604,376 | 2,247,312 |
| | Revenue Collections (RC) | | | | 1,405,636 | 1,875,215 | 3,153,819 | | | | 1,405,636 | 1,875,215 |
| | Monthly RR - RC | | | | - | - | - | | | | - | - |
| | Balance (RR - RC + Cumulative CC) | | | | 198,740 | 372,096 | 488 | | | | 198,740 | 372,096 |

*only GIP and MEP are eligible for Attachment GG, MVP for Attachment MM
 **Helena to Scott County MISO Interconnections was added to the MISO 2022 True-up Notice and Version 1.2 of 2023 filing, thus no GG was included in prior year filing.

| Project | MTEP Type | CWIP Total |
|--|-----------|-------------|
| Aldrich DCP | Other | 1,681,000 |
| Avon – Albany Rebuild | Other | 8,131,335 |
| Bayfield Loop | Other | 53,355,200 |
| Black Dog - Wilson | Other | 3,696,935 |
| Comm Network Program | Other | 150,515,258 |
| Congestion Capacity Increases | Other | 8,369,283 |
| DCP Daytons Bluff Sub | Other | 4,806,210 |
| DCP Great Plains | Other | 2,900,046 |
| Elm Creek New Transformer 10 Install | Other | 14,038,679 |
| Elm Creek TR9 Reactor | Other | 1,344,268 |
| ELR - Breakers - NSPM | Other | 43,315,113 |
| ELR - Relay - NSPM | Other | 56,444,036 |
| ELR - Transformers - NSPM | Other | 48,135,542 |
| ELR Nuclear NSPM | Other | 22,149,635 |
| Helena to Scott County MISO Interconnections | GIP 10% | 25,497,172 |
| HIBTAC 500kV | Other | 21,413,542 |
| Hollydale Dist. 115kV | Other | 2,571,359 |
| Huntley-South Bend 161kV | Other | 23,981,852 |
| Huntley - Wilmarth | MEP | 52,910,389 |
| Lincoln County Capacitor Bank | Other | 5,123,803 |
| Line 0953 OPGW Replacement | Other | 2,408,258 |
| Line ELR - NSPM | Other | 34,776,279 |
| Long Lake-Baytown Line Uprate | Other | 4,913,219 |
| Mallard Substation Expansion | Other | 6,701,257 |
| NERC Order 754 NSPM | Other | 6,515,547 |
| Nighthawk Substation | Other | 6,027,852 |
| NSM0953 Galloping Mitigate SPK | Other | 5,766,148 |
| NSP Reloc B | Other | 15,096,231 |
| NSPM Major Line Rebuild | Other | 455,627,876 |
| NSPM Major Line Refurbishment | Other | 135,378,994 |
| NSPM Steel Pole ELR | Other | 140,426,418 |
| Prairie Substation Capbank Remove | Other | 2,426,237 |
| Raptor Distribution Substation | Other | 2,373,489 |
| Rogers Lake 115 kV | Other | 10,475,314 |
| S&E - NSP Line | Other | 68,578,438 |
| S&E - NSP Sub | Other | 53,665,047 |
| So. Washington Electric Reliability SWERU | Other | 13,236,147 |
| TACT | Other | 14,159,088 |
| Wilmarth-TC Thru Flow Mitigation | Other | 5,258,697 |

| | | |
|---------|----|---------------|
| Other | \$ | 1,455,783,632 |
| GIP 10% | \$ | 25,497,172 |
| MEP | \$ | 52,910,389 |



2022 - Att GG Projects included in ND TCR

Amounts based on details filed with MISO in: NSP Attach O_GG_MM 2022 Actual Costs and Workpapers and 2022 True-Up Notice V1.1

| Project Name | MTEP Project Number | Project Gross Plant | Annual Allocation Factor for Expense | Annual Expense Charge | Project Net Plant | Annual Allocation Factor for Return | Annual Return Charge | Project Depreciation Expense |
|------------------------------------|---------------------|---------------------|--------------------------------------|-----------------------|-------------------|-------------------------------------|----------------------|------------------------------|
| Huntley - Wilmarth | 11883 | \$ 52,774,338 | 2.47% | \$ 1,303,688 | \$ 52,060,240 | 7.90% | \$ 4,115,149 | \$ 1,131,641 |
| Scott County - Helena Line Upgrade | 18345 | \$ 2,529,673 | 2.47% | \$ 62,491 | \$ 2,489,888 | 7.90% | \$ 196,815 | \$ 56,788 |

2023 - Att GG Projects included in ND TCR

Amounts based on details filed with MISO in: NSP Companies Att O GG and MM Effective Jan 1 2023 and Supporting Work Papers V1.2

| Project Name | MTEP Project Number | Project Gross Plant | Annual Allocation Factor for Expense | Annual Expense Charge | Project Net Plant | Annual Allocation Factor for Return | Annual Return Charge | Project Depreciation Expense |
|------------------------------------|---------------------|---------------------|--------------------------------------|-----------------------|-------------------|-------------------------------------|----------------------|------------------------------|
| Huntley - Wilmarth | 11883 | \$ 53,059,414 | 2.37% | \$ 1,259,054 | \$ 51,205,680 | 8.00% | \$ 4,097,564 | \$ 1,138,241 |
| Scott County - Helena Line Upgrade | 18345 | \$ 2,550,034 | 2.37% | \$ 60,510 | \$ 2,453,142 | 8.00% | \$ 196,305 | \$ 57,225 |

2024 - Att GG Projects included in ND TCR

Amounts based on details filed with MISO in: NSP Companies Att O GG and MM Effective Jan 1 2024 and Supporting Work Papers V1.0

| Project Name | MTEP Project Number | Project Gross Plant | Annual Allocation Factor for Expense | Annual Expense Charge | Project Net Plant | Annual Allocation Factor for Return | Annual Return Charge | Project Depreciation Expense |
|------------------------------------|---------------------|---------------------|--------------------------------------|-----------------------|-------------------|-------------------------------------|----------------------|------------------------------|
| Huntley - Wilmarth | 11883 | \$ 52,495,306 | 2.29% | \$ 1,199,562 | \$ 49,527,726 | 8.47% | \$ 4,193,022 | \$ 1,125,852 |
| Scott County - Helena Line Upgrade | 18345 | \$ 2,550,034 | 2.29% | \$ 58,270 | \$ 2,395,922 | 8.47% | \$ 202,839 | \$ 57,225 |

| Annual Revenue Requirement | 2020 True-Up Adjustment | Network Upgrade Charge |
|----------------------------|-------------------------|------------------------|
| \$ 6,550,478 | \$ - | \$ 6,550,478 |
| \$ 316,094 | \$ - | \$ 316,094 |

ND Allocation 5.0%

| | ND |
|------------------------------------|---------|
| Huntley - Wilmarth | 326,209 |
| Scott County - Helena Line Upgrade | 15,741 |

| NSP % | MISO Expense |
|-------|--------------|
| 17% | 1,100,071 |
| 7% | 25,719 |

5.0%

| | ND |
|--|--------|
| | 54,783 |
| | 1,281 |

| Annual Revenue Requirement | 2021 True-Up Adjustment | Network Upgrade Charge |
|----------------------------|-------------------------|------------------------|
| \$ 6,494,859 | \$ 239,665 | \$ 6,734,524 |
| \$ 314,040 | \$ 70,098 | \$ 384,138 |

ND Allocation 5.2%

| | ND |
|------------------------------------|---------|
| Huntley - Wilmarth | 350,631 |
| Scott County - Helena Line Upgrade | 20,000 |

| NSP % | MISO Expense |
|-------|--------------|
| 17% | 1,139,756 |
| 7% | 25,719 |

5.2%

| | ND |
|--|--------|
| | 59,341 |
| | 1,339 |

| Annual Revenue Requirement | 2022 True-Up Adjustment | Network Upgrade Charge |
|----------------------------|-------------------------|------------------------|
| \$ 6,518,436 | \$ (905,718) | \$ 5,612,718 |
| \$ 318,334 | \$ 344,400 | \$ 662,734 |

ND Allocation 5.3%

| | ND |
|------------------------------------|---------|
| Huntley - Wilmarth | 296,576 |
| Scott County - Helena Line Upgrade | 35,019 |

| NSP % | MISO Expense |
|-------|--------------|
| 17% | 1,280,887 |
| 7% | 44,983 |

5.3%

| | ND |
|--|--------|
| | 67,682 |
| | 2,377 |

2022 - Att GG Projects included in ND TCR

Amounts based on details filed with MISO in: NSP Companies Att O GG and MM Effective Jan 1 2022 and Supporting Work Papers V1.1

| Project Name | MTEP Project Number | Project Gross Plant | Annual Allocation Factor for Expense | Annual Expense Charge | Project Net Plant | Annual Allocation Factor for Return | Annual Return Charge | Project Depreciation Expense | Annual Revenue Requirement |
|--------------------|---------------------|---------------------|--------------------------------------|-----------------------|-------------------|-------------------------------------|----------------------|------------------------------|----------------------------|
| Huntley - Wilmarth | 11883 | \$ 57,582,827 | 2.42% | \$ 1,392,968 | \$ 56,926,796 | 7.87% | \$ 4,477,538 | \$ 1,205,997 | \$ 7,076,503 |

2023 - Att GG Projects included in ND TCR

Amounts based on details filed with MISO in: NSP Companies Att O GG and MM Effective Jan 1 2023 and Supporting Work Papers V1.0

| Project Name | MTEP Project Number | Project Gross Plant | Annual Allocation Factor for Expense | Annual Expense Charge | Project Net Plant | Annual Allocation Factor for Return | Annual Return Charge | Project Depreciation Expense | Annual Revenue Requirement |
|--------------------|---------------------|---------------------|--------------------------------------|-----------------------|-------------------|-------------------------------------|----------------------|------------------------------|----------------------------|
| Huntley - Wilmarth | 11883 | \$ 53,059,414 | 2.37% | \$ 1,259,054 | \$ 51,205,680 | 8.00% | \$ 4,097,564 | \$ 1,138,241 | \$ 6,494,859 |

| 2020 True-Up Adjustment | Network Upgrade Charge |
|-------------------------|------------------------|
| \$ - | \$ 7,076,503 |

| NSP % | MISO Expense |
|-------|--------------|
| 17% | 1,176,682 |

ND Allocation 5.0% 5.0%

Huntley - Wilmarth ND 355,063 ND 59,040

| 2021 True-Up Adjustment | Network Upgrade Charge |
|-------------------------|------------------------|
| \$ 239,703 | \$ 6,734,562 |

| NSP % | MISO Expense |
|-------|--------------|
| 17% | 1,139,763 |

ND Allocation 5.1% 5.1%

Huntley - Wilmarth ND 342,386 ND 57,946

| | <u>2022</u> | <u>2023</u> | <u>2024</u> |
|--|----------------|----------------|----------------|
| 2024 Filing - Allocators | | | |
| ND 12-month CP Demand (Electric Demand) | 5.9513% | 6.2073% | 6.3005% |
| NSPM 36-month CP Demand (Interchange Electric) | 83.6779% | 83.8765% | 83.8663% |
| Jurisdictional Allocator | 4.9799% | 5.2065% | 5.2840% |
| | | | |
| 2023 Filing - Allocators | | | |
| ND 12-month CP Demand (Electric Demand) | 5.9962% | 6.0613% | |
| NSPM 36-month CP Demand (Interchange Electric) | 83.6779% | 83.8765% | |
| Jurisdictional Allocator | 5.0175% | 5.0840% | |

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Informal

Xcel Energy

Data Request No. 3

Case No.: PU-23-315

Response To: North Dakota Public Service Commission

Requestor: Adam Renfandt

Date Received: September 28, 2023

Question:

Please provide:

- A map of the new projects

Response:

Please see Attachment A to this response for the requested maps.

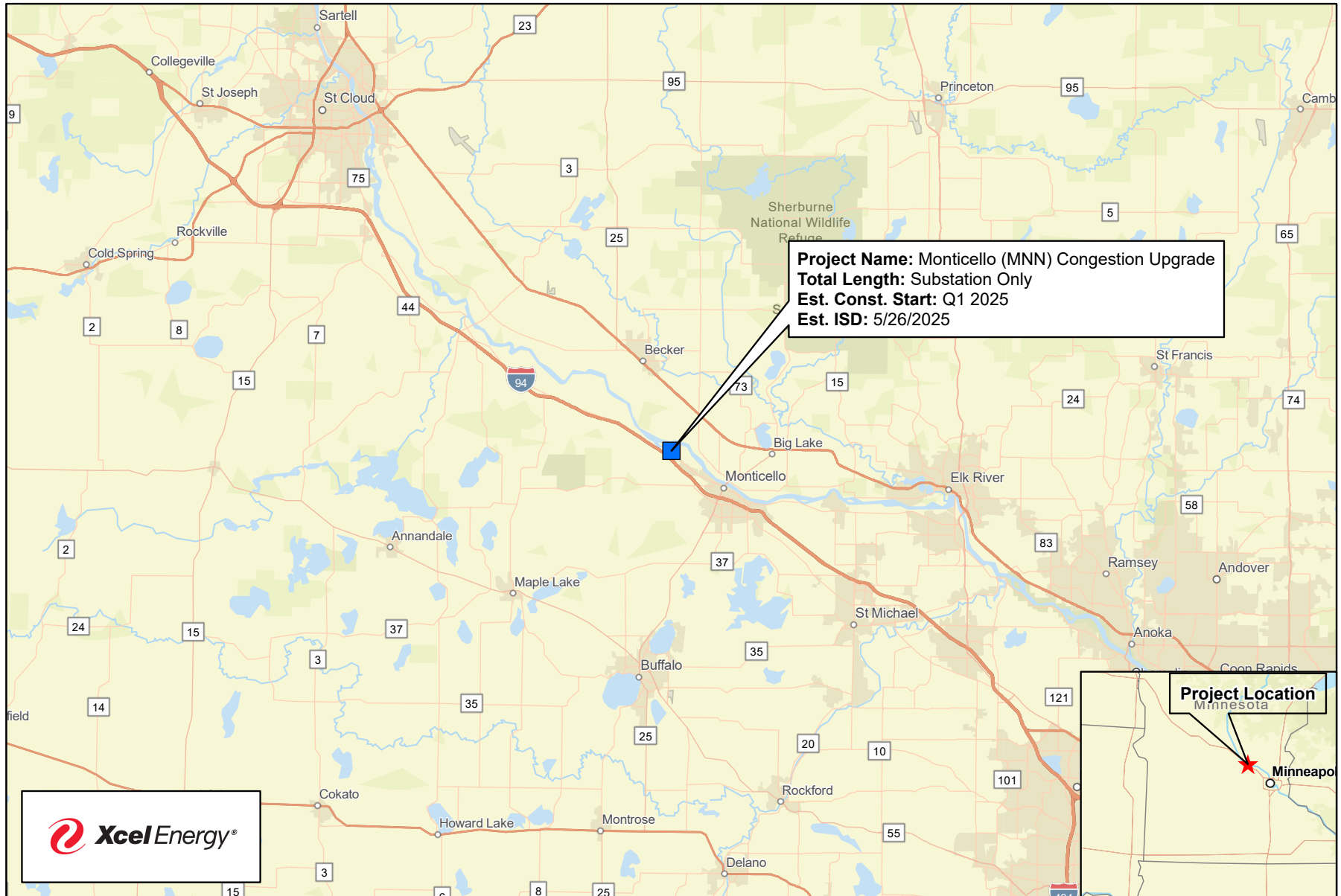
Preparer: Chris Buboltz

Title: Project Manager


Department: Transmission Project Services

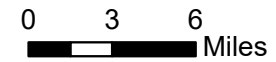
Telephone: (612) 330-1921

Date: October 11, 2023

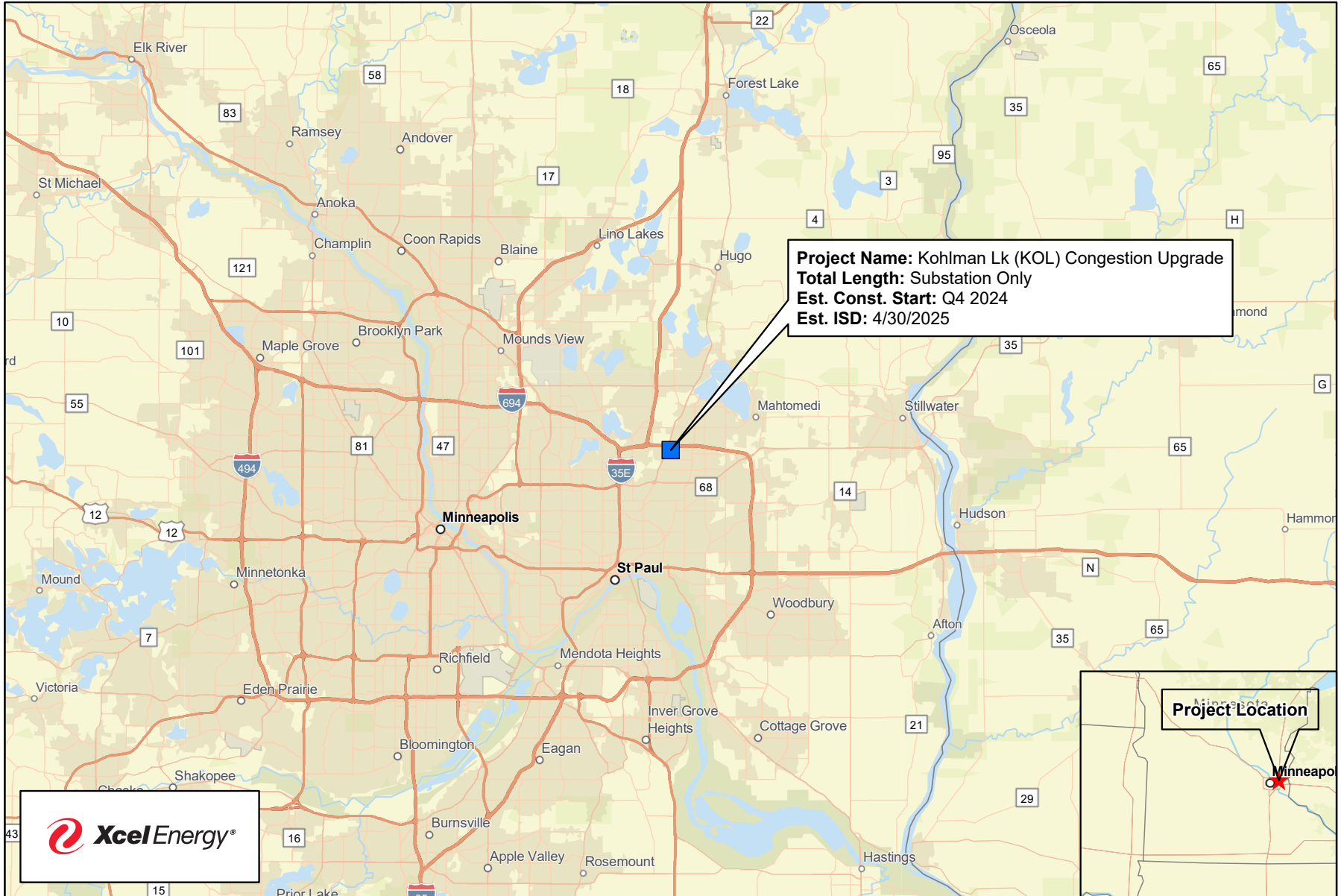


Monticello (MNN) Congestion Upgrade Project

 Monticello (MNN) Congestion Upgrade

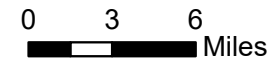


Disclaimer: This information is believed to be correct, but is subject to change and carries no warranty.

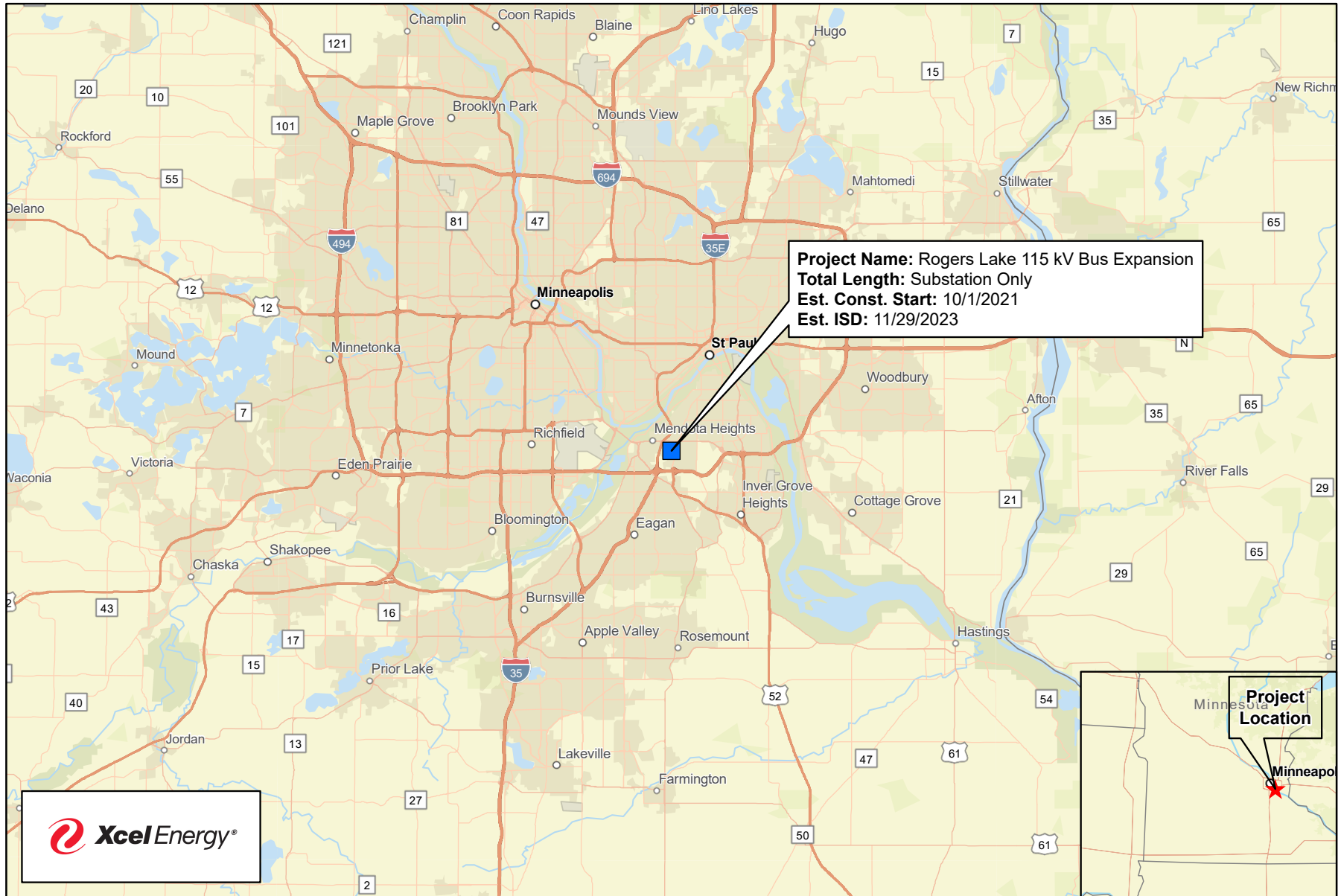


Kohlman Lk (KOL) Congestion Upgrade Project


■ Kohlman Lk (KOL) Congestion Upgrade

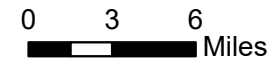


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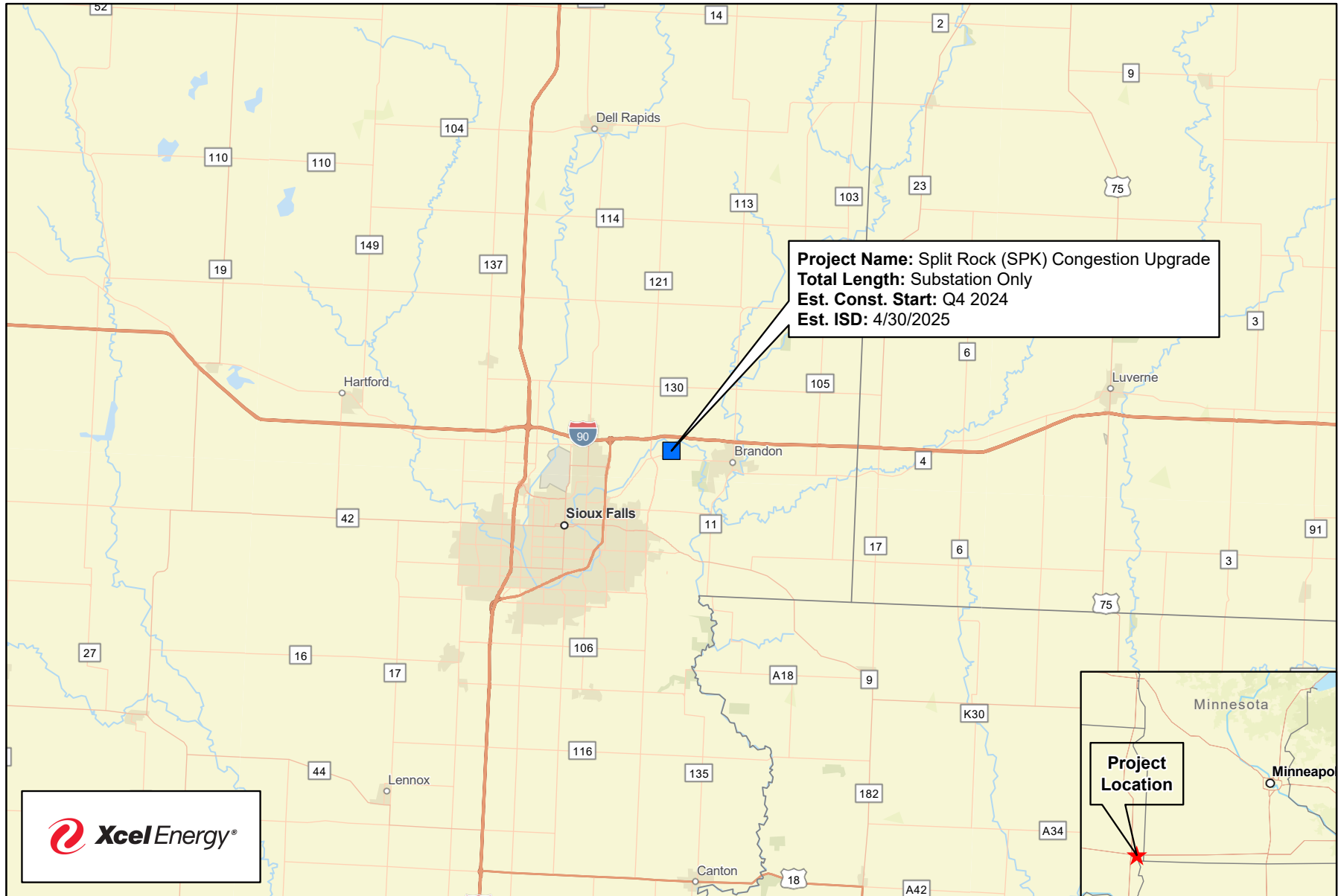


Rogers Lake 115 kV Bus Expansion Project


 Rogers Lake 115 kV Bus Expansion

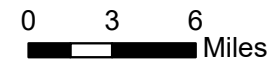


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Split Rock (SPK) Congestion Upgrade Project

 Split Rock (SPK) Congestion Upgrade



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